



REPLY TO BIDDER'S PRE-BID QUERIES
ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
COMMERCIAL QUERIES					
1	4.0 - Completion period	4.0	Delivery period shall be 6 weeks from the date of intimation for supply on FOT site basis.	We request AGPL & VCS to consider Delivery period : 16 weeks for 1st Lot and 12 weeks for subsequent lots of meters . The manufacturing , shipping , Custom Clearance , Inspection and testing and inland transportation needs minimum 16 weeks time. Kindly consider the same.	Tender Conditions shall prevail.
2	MINIMUM QUANTITY SUPPLIED FOR QUALIFICATION	9.1.1	Group A : G1.6 meters - 3000 No's	For Group A : We request to consider the meter sizes G1.6 and more for smart meter installation PTR. Globaly G1.6 is not considered as a domestic meter. Kindly consider "G1.6 and above" to meet the 3000 QTY criteria. Also accept the GPRS technology experience for BEC for this group	Tender Conditions shall prevail.
3	MINIMUM QUANTITY SUPPLIED FOR QUALIFICATION	9.1.1	Group B : G2.5 meters - 75 No's	We have supplied 100 No's of G4 Extended prepaid smart meters to MGL. G4 ext has Qmin of 0.016 Sm3/hr and Qmax of 6 Sm3/hr. This covers entire measuring range of G2.5 meter. Please confirm if same is acceptable to qualify for minimum quantity supplied for qualification.	Tender Conditions shall prevail.
4	2.1 Scope of Work	2.1	LORA connectivity	We request Client / EPMC to consider both GPRS/LORA. We understand that it is possible for meters to be installed in fairly remote areas of Assam where LORA connectivity will be a problem. GPRS is a more preferred solution as various service providers like AIRTEL / VODAFONE have already established and proven network connectivity in given area. Kindly accept GPRS technology also for this tender.	Tender Conditions shall prevail.
5	2.1 Scope of Work	2.1	Customer shall be able to pay through web application and mobile application. Entirepayments shall be made to Client through payment gateway. Vendor shall demonstrate the same to entire satisfaction of Client.	Pl. confirm customer Payment Gateway and payment handling process should be Assam Gas scope. Vendor to demonstate / execute the syncing of payment information on real time basis with pre paid system.	Tender Conditions shall prevail.
6	2.1 Scope of Work	2.1	The display on the meter should provide the customer with real time information regarding the credit balance, amount of emergency credit available, valve status, and an indication of any active alarms	We execute the pre paid system on cloud. Customer can see the Credit balance through Mobile APP. He can watch it from anywhere and doesn't need to go to meter. This is more smart practice and will save battery of the meter. Kindly accept.	Tender Conditions shall prevail.
7	2.7 Vending services	2.7	>> The establishment of the vending services office shall be in the bidder"s scope. Also, the dedicated team should be present there for the offline recharge for gas, complaints, queries. >> For approximately every 5000 offline end-customer one counter along with all the accessories and a person shall be deployed in the office. >> The offline recharge transaction can be done through cash, Cheque, Credit/ Debit card, money transfer to account service and also through apps like Paytm, Gpay, Phonepe etc.	We request the Client to take handling both online and offline payment in their scope. Bidders shall be responsible for all technical support related to meter and meter readings on server . We will also provide support to reflect credit balance on web application based on tarriff details provided by AGPL.	Tender Conditions shall prevail.
8	Group A, B & C : Datasheet for G1.6 , G2.5 and G4		Communication of AMR with server : Through LORA	We request Client / EPMC to consider both GPRS/LORA. We understand that it is possible for meters to be installed in fairly remote areas of assam where LORA connectivity will be a problem. GPRS is a more preferred solution as various service providers like AIRTEL / VODAFONE has already established and proven network connectivity available. Kindly accept GPRS technology also for this tender.	Tender Conditions shall prevail.
9	Group A, B & C : Datasheet for G1.6 , G2.5 and G4		Leak Testing : Water immersion	Since thermal meters are static electronic meters. We will perform pneumatic leak test and also accepted by OIML R137 and MID. Please accept	Tender Conditions shall prevail.
10	Group A : Datasheet for G1.6		Unit of Measurement : M3	The thermal meters provide reading in M3 ant base condition, which is more accurate way of measurement. Please accept	Tender Conditions shall prevail.
11	End connections		In datasheet it is specified 3/4" and in notes specified 1" NPTM	Please confirm final end connection of 1" NPTM required for G1.6 , G2.5 and G4 meters	Tender Conditions shall prevail.
12	Datasheet of EVC		Commercial Meter Data sheet with EVC	We offer universal communication protocol DLMS / COSEM on GPRS or through Optical ports for local communication . Pl. accept.	Tender Conditions shall prevail.
13	Section –I(IFB)	4.2	Delivery terms	Bidder requests that delivery period of the first lot must be at least 12 weeks and that of subsequent lots be around 10 weeks to ensure timely delivery of meters.	Tender Conditions shall prevail.
14	Section –I(IFB)	4.2	Delivery terms	In case of change in delivery locations other than those specified in the tender document freight should be reimbursed on proportionate basis.	Tender Conditions shall prevail.
15	Section –I(IFB)	4.3	Delivery terms	Bidder requests that the time gap between two orders should be at least 4 weeks to ensure efficient payment cycle rotation. Alternatively, if AGCL can arrange 50% advance payment with each order we can take weekly orders.	Tender Conditions shall prevail.
16	Special Conditions to contract/ 138	53	CPBG	As per notification of ministry of finance, Government of India it has been decided to reduce from existing 10%/5% to 3%.	Tender Conditions shall prevail.
17	General Conditions to contract/160	38	Fall Clause	Bidder requests that CPBG should be 3% of contract value(copy of notification attached) Bidder requests AGCL to remove this clause due to several dependencies on external factors such as currency, freight cost, warehousing, terms of tenders etc.	Tender Conditions shall prevail.



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Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
18	Section –I(IFB)	10.2	EMD	PSUs and firms registered under MSME/NSIC act are exempted from furnishing bid security, bidder requests that same exemption should be extended to dealers/traders/distributors to increase competition.	Tender Conditions shall prevail.
19	Section –I(IFB)/9	9.1.1	BEC	Kindly allow previous experience of consortium with group company as the bidder has supplied 10000 meters with a consortium partner to IGL. Additionally we can also provide experience of OEM if required	Tender Conditions shall prevail.
20	Special condition of contract	50	Payment terms	Bidder requests that 90% payment should be released on delivery of meters and remaining 10% within 30 days of commissioning for supply portion. for services portion it should be monthly invoicing which other CGDs are also following. This will help MSMEs to quote better rates.	Tender Conditions shall prevail.
21	Instructions to bidders/37	37	Purchaser s right to vary quantity at time of award	Bidder requests that quantity of meters should be varied in number of container lots only so that logistics can be handled.	Tender Conditions shall prevail.
22	General conditions of contract/102	70	Articles of value found	Any articles of value found should be property of bidder .	Tender Conditions shall prevail.
23	Special condition of contract/135	45	Inspection and tests	Bidder requests that if the goods have been passed by TPIA no further inspection should be carried out and even if inspection needs to be done the cost should be borne by purchaser to which we have no objection.	Tender Conditions shall prevail.if required, AGCL/PMC may inspect.
24	Section –I(IFB)/13	9.2.2	Net worth	Kindly accept 19-20 net worth and working capital as we are registered startup under DIPP and MSME.Incorporated in 2017 and we are networth positive in 19-20 however we have supplied 10000 LORA prepaid meters to IGL in 2018 and successfully running since	Acceptable subject to submission of Audited Balance Sheets of FY : 2019-20, 2018-19 & 2017-18 duly notarised by Public Notary and attested by CA with legible stamp along with Financial Capability Certificate with information of relevant years on CA's letterhead duly signed and stamped by CA as per tender requirements.
25	Special conditions of contract/137	50.2	Payment terms	The bidder is a OEM of MDM and head end system as required by 50.2 so our software and assets are fully functional and ready to demo. Can AGL release the payment of all the stages after demo?	Tender Conditions shall prevail.
26	Special conditions of contract/137	50.3.1	Payment terms	The billing frequency is not clear. It should be monthly billing kindly clarify	The clause is self explanatory.
29	Vol I 8/160	7.6	Bid submission Due date - 11- Jan-20	We request you to please extend Bid submission due date till 29-Jan-20. Considering following points. 1. As pre-paid metering solution envisaged in tender document covers vast scope of product and service which also includes services from third party such as network, manpower, space, etc. 2. EMD processing is taking longer than usual due to limited manpower available at bank due to COVID-19 outbreak and regular sanitization of bank facilities.	Refer corrigendum #1
30	Vol I 15/160	10.0	EMD	As per the recent notification No. F.9/4/2020-PPD dated 12-Nov-20 issued by Ministry of Finance, Government of India stated that no provision regarding bid security should be kept in the bid document in future and only provision for bid security declaration should be kept in the bid document. We request you to kindly accept Bid security declaration. This has been already implemented by Gail (India) in there recent tender. copy of notification and tender document attached.	Tender Conditions shall prevail.
31	Vol I 138/160	53	CPBG The successful bidder shall furnish to the purchaser the Contract Performance Bank Guarantee (CPBG) equivalent to 10% of the total order value (total order value will be cost of supply of material but excluding taxes and duties) within a period of twenty-one (21) Days from the date of issue of Purchase Order. The CPBG should initially be kept valid for 90 days beyond the guarantee / warranty period	1. We request to have separate PBG for supply and services. 2. As per corporate guidelines, we cannot issue PBG for a period of 10 years. However, we request you to please accept PBG period of 5 years where PBG will be extended every year starting from end of 1 year till end of 5th year. So, that PBG requirement of 10 years will be met. Also, from 1st year till 5th year PBG with validity of 5 years will be maintained. 3. PBG for services part shall be on annualised basis, as PBG for supply part will be for 5 years and extended annual to complete 10 years. 4. As per Notification No: F. 9/4/2020-PDD dated 12-Nov-20 issued by Ministry of Finance, Government of India, PBG value is reduced from 5-10% to 3%. We are receiving communication from PSUs such as Gail (India). we request you accept PBG for 3% of order value. (copy of notification attached)	1. Tender Conditions shall prevail. 2. Tender Conditions shall prevail. 3. Tender Conditions shall prevail. 4. Tender Conditions shall prevail.



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32	Vol I 137/160	50	Payment Terms Supply - 1. 70% of invoice value within 30 days 2. 10% upon commissioning 3. 10% on performance acceptance by owner 4. 10% on contract closure	We request for below payment terms Supply: 1. 90% of invoice value within 30 days 2. 10% upon commissioning and performance acceptance. Kindly clarify performance acceptance criteria for clarity.	Tender Conditions shall prevail. However, performance criteria shall be checked on the basis of data availability (like credited balance, alarms, consumption till last bill etc.) which shall be minimum 95% over a month period. Vendor may refer clause no.: 2.9 in MR of technical tender Vol. I document for more clarity.
33	Vol I 137/160	50	Payment Terms Billing software and Integration - 1. 30% of invoice value upon mobilization 2. 30% upon installation of software & Demo 3. 20% upon integration 4. 10% on acceptance by owner 5. 10% upon contract closure	We request for below payment terms Supply: 1. 90% of invoice value within 30 days 2. 10% upon commissioning and performance acceptance. Kindly clarify performance acceptance criteria for clarity.	Tender Conditions shall prevail. However, performance criteria shall be checked on the basis of data availability (like credited balance, alarms, consumption till last bill etc.) which shall be minimum 95% over a month period. Vendor may refer clause no.: 2.9 in MR of technical tender Vol. II document for more clarity.
34	Vol I 137/160	50	Payment Terms Data hosting services - 1. 90% against actual no's billed 2. 10% at the end of yearly billing cycle	We request to pay data hosting charges 100% on monthly basis upon submission of reports.	Tender Conditions shall prevail.
35	Vol I 138/160	52	Warranty Period Warranty period shall be 10 years from the date of acceptance of Last Meter delivered against particular lot as per delivery terms (FOT Site) of this bidding document	We request to accept product warranty of 18 months from the date of invoice or 12 months from the date of installation which ever is earlier	Tender Conditions shall prevail.
36	Vol I 138/160	52	Payment terms: 10% payment will be released upon performance acceptance by owner	we request to kindly clarify criteria for performance acceptance.	Tender Conditions shall prevail. However, performance criteria shall be checked on the basis of data availability (like credited balance, alarms, consumption till last bill etc.) which shall be minimum 95% over a month period. Vendor may refer clause no.: 2.9 in MR of technical tender Vol. II document for more clarity.
37	Vol I 7/160	4.2	Completion period Delivery Lead Time - 6 weeks from the date of intimation	Considering current pandemic situation and COVID- wave 2 in European countries, lead time of critical components have drastically increased. We request you to kindly consider 24 weeks for Lot 1 and 14-16 weeks for subsequent lots.	Tender Conditions shall prevail.
38			Applicability of notification issued by Ministry of Finance and Department of Public Expenditures	We request confirmation on applicability of notification issued for bidders sharing land border must be registered with DPIIT.	Tender Conditions shall prevail.
39	Volume – I INVITATION FOR BID [IFB] Clause 10.2.1		BID SECURITY/ EARNEST MONEY DEPOSIT (EMD) – Rs. GROUP A 44,93,440.00 GROUP B 29,500.00 GROUP C 1,43,488.00	As per govt circular, there are provision of EMD exemption for the bidders due to economy slowdown. Hence we request you to please provide us the exemption.	Tender Conditions shall prevail.
40	GOI of Commerce and Industry Department for Promotion of Industry and Internal Trade (Public Procurement Section), Dated 24 aug 2020		The undersigned is directed to refer Department of Expenditure Order (Public Procurement No. 1) dated 23.07.2020 mandating that bidders having beneficial ownership in countries which share land border with India will be eligible to bid in public procurement, only if they are registered with the competent authority. Accordingly, the bidders, who have beneficial ownership in countries which share land border with India and intend to participate in public procurement in India, may submit application for "Registration" in the format enclosed as Appendix "A". Bidders are also required to submit application for "Security Clearance" in the format enclosed as Appendix "B". Complete application containing both "Registration" and "Security Clearance" formats, duly filled in, may be submitted in the Office of Joint Secretary (MKN), DPIIT, Room No. 236A, Udyog Bhawan, New Delhi	Pl. Consider this into the current tender (Reference of notice is pasted below at page no. 5)	Tender Conditions shall prevail.
41				Considering Christmas & year end holidays, Bidder requesting AGCL/VCS to please extend the bid submission date by minimum 15 days from 11 Jan 2021.	Refer Corrigendum #1
42	7.6		Bid Due date and time 11.01.2021 till 1430 Hrs. IST	Request M/s. AGCL to extend the bid due date by 4 weeks due to complexity on the quantum of job	Refer Corrigendum #1
43	VOLUME - I OF II: Commercial		9.0 BIDDER EVALUATION CRITERIA (BEC) 9.1.2 For Authorized Gas Meter Supplier	Please confirm our understanding is correct that we as an authorized gas meter supplier may qualify on the basis of our OEM technical experience while financial criteria will be met solely by the bidder.	
44	Other Conditions:		2. Delivery period shall be 6 weeks from the date of intimation for supply on FOT site basis	We request M/s. AGCL to reconsider the delivery period from 6 weeks to 14 weeks considering the ongoing global pandemic which has severely affected our production capacity due to the limited manpower. Also, logistical services along with local governing procedures like customs duty etc is taking longer than usual	Tender Conditions shall prevail.



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45		10.2	BID SECURITY	As per latest govt notification F.9/4/2020-PPD dated: 12th November, 2020 clause no. 4 issued by Government of India Ministry of Finance in the interest of Public Sector Undertaking Companies the clause states as follows "no provisions regarding Bid Security should be kept in the bid documents in future and only provisions for bid security declaration should be kept in the bid documents". Thereby, we request M/s. AGCL to exempt EMD from this tender as per the above document	Tender Conditions shall prevail.
46			FOR DELAYED DELIVERY In case of delay in delivery of equipment/materials or delay in completion, total contract price shall be reduced by ½ % (half percent) of the total contract price per complete week of delay or part thereof subject to a maximum of 5% (five percent) of the total contract price.	Please confirm if our understanding is correct in case of late delivery 1/2% will be deducted per week only on the lot wise purchase order issued by AGCL and not on the total contract value subject to a maximum ceiling of 5%	Refer Corrigendum #1
47	29. FORCE MAJEURE			In lieu of the ongoing global pandemic we request AGCL to consider corona virus/lockdown/curfew as a force majeure deterrent	Tender Conditions shall prevail.
48	VOLUME - I OF II: Commercial 33 TAXES & DUTIES		Customs duty payable in India for imported goods ordered by PURCHASER on foreign Seller shall be borne and paid by PURCHASER	Please confirm if we can avail customs duty exemption against essentiality certificate for imports	Referred Clause No. 33.3 is "Not applicable" for this tender being an Open Domestic competitive tender.
49	I. For Item Rate Contract:			We request M/s. AGCL to provide more clarity on this clause	The clause is self explanatory.
50	50.0 PAYMENT TERMS			We request AGCL to amend the payment terms as per major CGD companies which are as follows : A. Against Supply - 80% on acceptance of goods at AGCL stores - 20% on successful commissioning B. Monthly Payment - On pro-rata monthly basis, against monthly invoices	Tender Conditions shall prevail.
51	53.0 CONTRACT PERFORMANCE BANK GUARANTEE			As per latest govt notification F.9/4/2020-PPD dated: 12th November, 2020 clause no. 3 issued by Government of India Ministry of Finance in the interest of Public Sector Undertaking Companies the clause states as follows "Performance security to reduce from existing 5-10% to 3% of the value of the contract". Thereby, we request AGCL to kindly amend the CPBG as per the above document	Tender Conditions shall prevail.
52	Volume I of II - (IFB)	10.2.7	10.2.7 EMD/Bid security in the form of Bank Guarantee may also be submitted and shall be valid for 60 days beyond the validity of the bid. Original copy of Bank Guarantee to be submitted at consultant's office within 07 days of unprice bid opening.	We understand that EMD/Bid security can be submitted in the form of BG also. However, Bank guarantee (BG) format is not available in tender document. Please provide the same.	Refer Form F-2 (Page No. 142 of 160) in Commercial Volume I of II of tender documents.
53	Volume I of II - (ITB)	20.1	20.1 The Bidder shall prepare one original of the document comprising the bid as per ITB clause "SEALING AND MARKING OF BIDS" marked "ORIGINAL". In addition, the bidder shall submit one copy of the original bid marked "COPY". In the event of any discrepancy between the original & the copy, the one marked as original shall govern.	We understand that bid has to be submitted on-line on e-portal and no hard copy is required. Hence, this clause have no relevance and should be deleted.	Bidder's understanding is correct. Bidder to submit all documents in E-Portal only. However, EMD (Original) to be submitted at consultant's office within 07 days of Unprice Bid Opening Date as per clause 10.2.7 of IFB of Commercial Volume I of II.
54	Volume I of II - (SCC)	46	46.1 in case the Supplier / Contractor fails to deliver any or all the goods to perform the services within the contractual delivery period(s) specified in the agreement for the reasons not solely attributable to the Purchaser and / or subject to the provisions of Force Majeure (Clause of GCC of tender document), the Purchaser shall, without prejudice to its other remedies under the agreement, deduct a sum @ ½ % (Half Per Cent) of the value of the undelivered portion per week for delay in supply of Gas Meters) subject to a maximum ceiling of 5% of order value.	Please amend the clause as: In case the Supplier / Contractor fails to deliver any or all the goods to perform the services within the contractual delivery period(s) specified in the agreement for the reasons not solely attributable to the Purchaser and / or subject to the provisions of Force Majeure (Clause of GCC of tender document), the Purchaser shall, without prejudice to its other remedies under the agreement, deduct a sum @ ½ % (Half Per Cent) of the value of the undelivered portion per week for delay in supply of Gas Meters) subject to a maximum ceiling of 5% value of undelivered portion.	Refer Corrigendum #1
TECHNICAL QUERIES					
55	Section –(IFB)/9	9.1.1	BEC	Kindly allow previous experience of consortium with group company as the bidder has supplied 10000 meters with a consortium partner to IGL. Additionally we can also provide experience of OEM if required	Bidder to refer clause no.: 9.1.3 in VOLUME - I OF II: Commercial.
56				What is the memory storage required with MIU kindly clarify if its 30/60/90 days.	Bidder to offer the server that shall have the capability to store the data for three years. So, bidder has to provide MIU accordingly.



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57	2.1 Scope of Work		LORA connectivity	We request Client / EPMC to consider both GPRS/LORA. We understand that it is possible for meters to be installed in fairly remote areas of Assam where LORA connectivity will be a problem. GPRS is a more preferred solution as various service providers like AIRTEL / VODAFONE have already established and proven network connectivity in given area. Kindly accept GPRS technology also for this tender.	Tender conditions shall prevail.
58	2.1 Scope of Work		Customer shall be able to pay through web application and mobile application. Entire payments shall be made to Client through payment gateway. Vendor shall demonstrate the same to entire satisfaction of Client.	Pl. confirm customer Payment Gateway and payment handling process should be Assam Gas scope. Vendor to demonstrate / execute the syncing of payment information on real time basis with pre paid system.	All the services related to data hosting, payments, server and meter related are in bidder's scope. Bidder to quote accordingly.
59	2.1 Scope of Work		The display on the meter should provide the customer with real time information regarding the credit balance, amount of emergency credit available, valve status, and an indication of any active alarms	We execute the pre paid system on cloud. Customer can see the Credit balance through Mobile APP. He can watch it from anywhere and doesn't need to go to meter. This is more smart practice and will save battery of the meter. Kindly accept.	Noted. However, bidder to refer clause no.: 2.1, bullet no.: 12, page no.: 7 in technical tender document.
60	2.7 Vending services		>> The establishment of the vending services office shall be in the bidder's scope. Also, the dedicated team should be present there for the offline recharge for gas, complaints, queries. >> For approximately every 5000 offline end-customer one counter along with all the accessories and a person shall be deployed in the office. >> The offline recharge transaction can be done through cash, Cheque, Credit/ Debit card, money transfer to account service and also through apps like Paytm, Gpay, Phonepe etc.	We request the Client to take handling both online and offline payment in their scope. Bidders shall be responsible for all technical support related to meter and meter readings on server. We will also provide support to reflect credit balance on web application based on tariff details provided by AGPL.	Tender conditions shall prevail.
61	Group A, B & C : Datasheet for G1.6 , G2.5 and G4		Communication of AMR with server : Through LORA	We request Client / EPMC to consider both GPRS/LORA. We understand that it is possible for meters to be installed in fairly remote areas of Assam where LORA connectivity will be a problem. GPRS is a more preferred solution as various service providers like AIRTEL / VODAFONE has already established and proven network connectivity available. Kindly accept GPRS technology also for this tender.	Tender conditions shall prevail.
62	Group A, B & C : Datasheet for G1.6 , G2.5 and G4		Leak Testing : Water immersion	Since thermal meters are static electronic meters. We will perform pneumatic leak test and also accepted by OIML R137 and MID. Please accept	Noted.
63	Group A : Datasheet for G1.6		Unit of Measurement : M3	The thermal meters provide reading in M3 at base condition, which is more accurate way of measurement. Please accept	Tender conditions shall prevail.
64	End connections		In datasheet it is specified 3/4" and in notes specified 1" NPTM	Please confirm final end connection of 1" NPTM required for G1.6 , G2.5 and G4 meters	Tender conditions shall prevail.
65	Datasheet of EVC		Commercial Meter Data sheet with EVC	We offer universal communication protocol DLMS / COSEM on GPRS or through Optical ports for local communication. Pl. accept.	Tender conditions shall prevail.
66	9.1.1-MINIMUM QUANTITY SUPPLIED FOR QUALIFICATION		Group A : G1.6 meters - 3000 No's	For Group A : We request to consider the meter sizes G1.6 and more for smart meter installation PTR. Globally G1.6 is not considered as a domestic meter. Kindly consider "G1.6 and above" to meet the 3000 QTY criteria. Also accept the GPRS technology experience for BEC for this group	Tender conditions shall prevail.
67	9.1.1-MINIMUM QUANTITY SUPPLIED FOR QUALIFICATION		Group B : G2.5 meters - 75 No's	We have supplied 100 No's of G4 Extended prepaid smart meters to MGL. G4 ext has Qmin of 0.016 Sm ³ /hr and Qmax of 6 Sm ³ /hr. This covers entire measuring range of G2.5 meter. Please confirm if same is acceptable to qualify for minimum quantity supplied for qualification.	Tender conditions shall prevail.
68	Clause no. 5.5 (Automatic Meter Reading and Electronic Volume Corrector (EVC)).		The AMR system of each meter shall be supplied with integral / external EVC.	Bidder referring to CGD Industry practice & would like to inform that Gas Utilities not asked Integral/external EVC for such a small pressure & flow (i.e for G2.5 & G4 Meters). This shall be an additional cost of this project & enhance the overall project cost. In order to above, bidder requesting Assam Gas/VCS to remove the requirement of Electronic Volume Corrector against G2.5 & G4 commercial meters.	Tender conditions shall prevail.
69	Clause no. 1.3 (DATA HOSTING:- though LORA to cloud server in real time.		Also, gas consumption reading and other diagnostic/monitoring data shall be uploaded from AMR system though LORA to cloud server in real time.	Bidder referring the ethics of Tender norms, wherein Utility/Consultant always tried their best to increase competition, so that Utility/consultant got the best product on competitive price. In order to above, bidder requesting Assam Gas/VCS to open/accept all the proven communication type along with LoRa. Bidder would also like to inform that LoRa technology is 100% dependent on telco service provider. To avoid monopoly of LoRa provider, dependency on telco provider and increasing of competition, Please confirm to accept STS & NFC communication as well along with LoRa.	Tender conditions shall prevail.



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70	Clause no. 2.1 (Scope of work).		The Prepaid smart Gas Meters should have the two-way communication with the server.	Bidder referring to global industry practice & confirms that Two-way communication is not required/asked in domestic & small commercial segment. Purpose of Pre-paid meters to get advance payment from consumers, so that risk of delay in payment could be minimize. Which in any case covered in one way communication as well. Communication cost will be very high to setup LoRa network in Assam's different areas. In order to above bidder requesting to please accept the one way communication as well.	Tender conditions shall prevail.
71	BQC Clause: - (Group B) and (Group C).		1. Supply of Diaphragm based Prepaid Smart Gas Meter G-2.5 with/without EVC along with LORA/GPRS connectivity along with the AMR 2. Supply of Diaphragm based Prepaid Smart Gas Meter G-4 or above with/without EVC along with LORA/GPRS connectivity along with the AMR	Bidder referring the ethics of Tender norms, wherein Utility/Consultant always tried their best to increase competition, so that Utility/consultant got the best product on competitive price. In order to above, bidder requesting Assam Gas/VCS to open/accept all the proven communication type along with LoRa/GPRS against BEC. Please confirm to accept STS & NFC communication as well along with LoRa/GPRS.	Tender conditions shall prevail.
72	W&M stamping		W&M stamping on each RPD meter	Bidder understand from the tender that Assam Gas/VCS wants only W&M model approval certificate. Bidder would like to inform that being a vendor, we are not considering W&M stamping on each meter for this tender, since W&M stamping on each Prepaid Meter shall be an additional cost of approx. Rs. 6,000/Meter. In case if the same required, please specify very clearly.	Tender conditions shall prevail. W&M certificate is mandatory.
73	Vol I 9/160	9.1.1.	BEC: Meter manufacturer are asked for 'minimum quantity supplied for qualification' of "Supply of Diaphragm based Domestic Prepaid Smart Gas Meter G-1.6 with LORA/BLE connectivity along with the AMR"	Being an Indian OEM - catering Indian CGDS we have supplied more than 2 lacs post-paid meters to Indian CGDs. However, LoRa & BLE are latest technologies which are not yet implemented in India except pilot project. We do not have past track record of supplying prepaid smart meter with LoRa/BLE connectivity. Request you to kindly modify BEC to accept any Smart meter or prepaid or AMR meter credential instead of specific LoRa/ BLE based pre-paid meters OR consider supply of mechanical meters to qualify BEC.	Tender conditions shall prevail.
74	SOR	3.0-3.9	Data hosting services	As per SOR, Price for Data hosting services is to be quoted on annual basis. We request you to kindly modify SOR and payment terms for data hosting charges on monthly basis.	Tender conditions shall prevail.
75	Vol I 9/160	9.1.1.	As per the BEC, Meter manufacturer are asked for 'minimum quantity supplied for qualification' of "Supply of Diaphragm based Domestic Prepaid Smart Gas Meter G-1.6 with LORA/BLE connectivity along with the AMR"	Since LoRa & BLE are latest technologies, hence it could be difficult to meet the specific past track record of supplying prepaid smart meter with LoRa/BLE connectivity. Request you to kindly allow any Smart meter or prepaid or AMR meter credential instead of specific need for LoRa/ BLE based to qualify BEC.	Tender conditions shall prevail.
76	Vol I 9/160	9.1.1.	As per the BEC, Meter manufacturer are asked for 'minimum quantity supplied for qualification' of "Supply of Diaphragm based Domestic Prepaid Smart Gas Meter G-1.6 with LORA/BLE connectivity along with the AMR"	Since LoRa & BLE are latest technologies, hence it could be difficult to meet the specific past track record of supplying prepaid smart meter with LoRa/BLE connectivity. Request you to kindly past track records with technologies like RFID/Smart Card/GPRS/LoRa/BLE/NFC/Sigfox for qualification.	Tender conditions shall prevail.
77			The specification at various places in technical & commercial document ask for LoRa based communication technology.	We request VCS/ Assam gas to allow other connectivity technologies like RF/NBiot/Sigfox/4G/2G etc.	Tender conditions shall prevail.
78	Vol II 7/49	2.1	Customer shall be able to pay through web application and mobile application. Entire payments shall be made to Client through payment gateway. Vendor shall demonstrate the same to entire satisfaction of Client.	We understand that the vendor has to integrate prepaid meter software to Client Payment Gateway only.	Bidder needs to develop the payment gateway/SAP, mobile app, web application and payment gateway for payments and other services. Also, the data shall be sent directly to the server provided by bidder and the same data shall also be sent to client's existing server. Bidder to consider the same and quote accordingly.
79	Vol II 7/49	2.1	Providing training to Client's personnel pertaining to handling of meters, and all associated software at Client place.	Please confirm that the smart meter software will be installed on the server supplied by vendor at client's place. Cloud based server is not allowed as part of system supply.	Cloud based server is also accepted. However, the server required in this project is in the scope of bidder. Integration of new server with the existing client SAP/ ERP server is in bidder's scope.
80	Vol II 8/49	2.1	The Prepaid smart Gas Meters should have the two way communication with the server i.e. the client shall be able to monitor real time gas consumption of the respective meters. The client shall decide the period for collecting data from meter to the server.	Prepaid meter are battery power with daily communication between Server and Meter at schedule time during the day, based on client requirement. How it is impossible to provide real time data to client, since meters are not connected live to the server. The data on the server would be refreshed ones in 24 hours. However temper and other alerts would be available immediately. Hope the above is acceptable.	Here real time data indicates daily based data i.e gas consumption on daily basis.



REPLY TO BIDDER'S PRE-BID QUERIES
ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
81	Vol II 8/49	2.6	Specifications asks for providing vending services infrastructure in terms of manpower and tools, 1 per every 5000 offline customers.	Since the specification asks for LoRa based communication as primary connectivity link and BLE as secondary connectivity link, hence we do not see any requirement for such an infrastructure. Generally primary link will take care of all transactions and secondary links should take care of all the meters which are not in network. For BLE communication, Mobile phone acts like a gateway for communication to server directly. Hence we strongly feel, there is no need for any such vending infrastructure.	Vending services is required in this project as this tender includes offline recharge facility too and same is in the bidder's scope. Bidder to quote accordingly.
82	Vol II 8/49	2.6	The specification ask to include offline recharge transaction through vending infrastructure like cash, Cheque, Credit/ Debit card, money transfer to account service and also through apps like Paytm, Gpay, Phonepe etc.	Please note that all digital payments options can be managed digitally through web and mobile application, except for Cash. Cheque payment shall reflect on the prepaid meter, as soon as payment from bank is received by Client SAP system. Assam Gas specification ask for direct communicating meters with BLE as standby, and hence we strongly feel that vending infrastructure is not required. We are sure Cash payments are not accepted by Assam Gas for the present accounting system in place and hence same should be avoided for prepaid smart meters, else the whole purpose of automation and smartness would be futile.	Vending services is required in this project as this tender includes offline recharge facility too and same is in the bidder's scope. Bidder to quote accordingly.
83	Vol II 8/49	2.8	The specification mentions "Any theft/mishandling of the system are in vendor scope."	Please note that since the meters are installed at clients customers place, hence theft / mishandling of system cannot in vendor scope and this should be the responsibility of client.	Noted. However meter shall be capable of generating alarms in case of tempering.
84	Vol II 27/49	5.5	As we understand from specifications all meter in group B & C, has to accompany with PTZ type Electronic Volume corrector & AMR.	Please confirm pressure, temperature and compressibility factor i.e. PTZ type correction is a must for volume correction.	Bidder shall refer EVC datasheet mentioned in page no: 39 in technical tender document.
85	Vol II 27/49	5.5	As we understand from specifications all meter in group B & C, has to accompany with PTZ type Electronic Volume corrector & AMR.	Since G2.5 & G4 meters would be operated at low pressure, hence we do not see any requirement for EVCs. Thousands of meters are in India without EVC, as the price of EVC is too high for such an application. Request you to allow prepaid smart meters with LoRa / GPRS communication but without EVC.	Tender conditions shall prevail.
86	Vol II 43/49	4	The specification asks for Server hardware to be OPC compliant.	Same is not applicable to Smart metering projects. It is more to do with SCADA and other applications where real time data is polled. In case of Smart metering the data is not real time. The data is archive date and communication between the server and meter is only ones per day. Hence OPC compliant clause is not applicable for smart metering server.	Noted.
87	Vol I 9/160	9.1.1.	Group A - G1.6 pre-paid domestic meters with LoRa network	Please provide the list of Pin codes of the areas proposed for installation to check LoRaWAN network availability. As we understand LoRaWAN network creation is not in bidder's scope and will be provided by Client.	The details shall be provided to the successful bidder. However, commissioning is in bidder's scope, i.e. LORA connectivity with meter is in bidder's scope. Bidder to quote accordingly.
88	Vol I 9/160	9.1.1.	Group A - G1.6 pre-paid domestic meters with LoRa network	We request you to clarify the LoRaWAN network availability in the planned installation location in ASSAM	The details shall be provided to the successful bidder
89	Vol II 44/49	5	Certification required - WPC	We request you to please accept WPC before supply of pre-paid meter to Assam Gas.	Tender conditions shall prevail.
90	Vol II 44/49	5	Certification required - PESO	We have ATEX for approval for our pre-paid meter. We request you to please accept the same. However, PESO will be submitted during execution of project considering long procedure process.	Tender conditions shall prevail.
91	Vol II 8/49	2.6	Online payment from Gpay, paytm, phonepe, etc shall be directly sent to Assam gas Account	All statutory requirements for payment gateway etc will be covered by client	All the services related to data hosting, payments, server and meter related are in bidder's scope. Bidder to quote accordingly.
92	Vol II 8/49	2.8	Vendor shall support the supplied software for entire duration of contract. In case any upgradation of the software/system is required, vendor will update the same without any additional cost to Client.	Only standard version of software will be provided and any changes in dashboards (excluding report formats), software should be at additional costs. We request you to kindly confirm that standard software is required with Alarms, reports mentioned in tender document are required.	It is mentioned in the technical tender document that the software shall be flexible enough for any updations, additions etc., required by client. Bidder to consider this and quote accordingly.
93	Vol II 36/49	Datasheet	Design pressure - 500 mbar	We would like to clarify that Normal G1.6 diaphragm meter has design pressure of 500 mbar. However, shut-off valve to make pre-paid domestic meter have design pressure of 200 mbar. Hence, design pressure of pre-paid domestic meter will be 200 mbar. We request you to kindly accept the same as operating pressure for domestic meter is 21 mbar.	Tender conditions shall prevail.
94	Vol II 36/49	Datasheet	End connection - 3/4" NPT connection Note 4: Meters shall be provided with brass adaptors with free loose nut & PTFE washer (2mm) for converting the port size to 1" NPTM for inlet / outlet end connection. Spare washer (5 pairs) shall be provided with each meter	We offer meters with 3/4" NPT end connection with material same as body of meter. Whereas, Note 4 mentioned brass adaptors for converting to port size 1" NPTM. We request you to eliminate this requirement.	Tender conditions shall prevail.
95	Vol II 36/49	Datasheet	Note 2: The Vendor shall provide calibration certificate and accuracy at MAOP of the meter for flow rates of Qmax, Qmin, 0.1Qmax. The Type approval should be from Indian W & M or equivalent authorities	We are doing calibration of all gas meter as per EN1359 and not at MAOP of the meter. Instead we do leak testing of gas meter at 1.5 times of MAOP (As prepaid meter is designed for 200 mbar we can do leak testing of meter at 300mbar). Kindly confirm	Bidder to provide W&M certificate for the offered meters.



REPLY TO BIDDER'S PRE-BID QUERIES
ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
96	Volume -I, SECTION - I INVITATION FOR BIDS (IFB)	9.1.1, For Gas Meter Manufacturer (sr no 2)	Group A MINIMUM QUANTITY SUPPLIED FOR QUALIFICATION: 3000	We would like to draw your kind attention that Covid-19 badly impacted gasification plan for almost all CGDs, resulted in delayed supply against orders in hand placed to meter vendors. Hence, we request you to please amend the clause as: Minimum quantity supplied for qualification: 1500 nos. OR Bidder should have PO copy of 3000 nos. from any CGD. Please amend the clause accordingly.	Tender conditions shall prevail.
97	Volume -I, SECTION - I INVITATION FOR BIDS (IFB)	9.1.1, For Gas Meter Manufacturer (sr no 2)	Group A Supply of Diaphragm based Domestic Prepaid Smart Gas Meter G—1.6 with LORA/BLE connectivity along with the AMR	We do understand that this tender is for prepaid gas meter along with LORA communication only. Please clarify our understanding and delete BLE requirement from this clause.	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
98	Volume -I, SECTION - I INVITATION FOR BIDS (IFB)	9.1.1.1 For Gas Meter Manufacturer (sr no 1)	1. Bidder shall be regular manufacturer of prepaid Gas meter.	<u>Self-Reliant India Movement by Govt of India:</u> Looking at the recent announcement of government for making India as self-reliant i.e. "Aatma Nirbhar Bharat Abhiyan"; PSU entities should consider that Bidder must have the manufacturing facility in India. We request you to please include this under Bidder evaluation criteria (BECK) in this tender.	Tender conditions shall prevail.
99	Volume II of II: Technical	1.0 (DESCRIPTION OF GOODS AND / OR SERVICES)	Sr no 2 Billing software and System software with integration	We understand that billing will be done from AGCL's SAP system by AGCL and billing software mentioned in the clause is a typographical error. Hence, the requirement of the supply of Billing Software and System Software with integration should be deleted. Please amend the clause accordingly and confirm the same.	Tender conditions shall prevail. Billing and all meter related services are in bidder's scope.
100	Volume II of II: Technical (MATERIAL REQUISITION)	1.0 (DESCRIPTION OF GOODS AND / OR SERVICES)	Group A: The scope of supply covers design, engineering, manufacturing, testing, inspection, documentation, commissioning at site (installation along with client), preparation for Shipment and transportation of the Domestic Prepaid smart Gas Meters with LORA connectivity (With provision of BLE as standby) along with the integrated AMR, MIU, billing software, system software, warranty and associated services for 10 years, as per technical specification requirements, MR and scope of work/or City Gas Distribution Project of Assam Gas Company Ltd.	We do understand that this tender is for prepaid gas meter along with LORA communication only. It is not clear why BLE is mentioned as LORA is being asked and specs. seem to be applicable for LORA communication only. Please clarify our understanding and delete BLE requirement from this clause.	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
101	Volume II of II: Technical	2.1SCOPE OF WORK	Data is stored in the Cloud/ Central server and can be viewed by the Client and/or the end customer using a remote internet connection or the App on their mobile phones.	Various kinds of architecture are possible - one as mentioned in the tender requirement where the data is sent by the meter to backend and the consumer accesses it. Other methodology is also possible where the consumer is directly able to access the data from the meter - we request you to accept the alternate methodology also	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly. Tender conditions shall prevail.
102	Volume II of II : Technical (Procurement of Prepaid Gas meter)	2.1SCOPE OF WORK	Bulleted point 9: Entire payments shall be made to Client through payment gateway.	We understand that there will be triparty agreement and all commercial implications will be borne by AGCL.	All the services related to data hosting, payments, server and meter related are in bidder's scope. Bidder to quote accordingly.
103	Volume II of II : Technical (Procurement of Prepaid Gas meter)	2.1 SCOPE OF WORK	Bullet point 13: Data is stored in the Cloud/ Central server and can be viewed by the Client and/or the end customer using a remote internet connection or the App on their mobile phones.	We understand this clause is applicable for LORA technology only. Please confirm.	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
104	Volume II of II: Technical	2.1SCOPE OF WORK	The Prepaid smart Gas Meters should have the two way communication with the server i.e the client shall be able to monitor real time gas consumption of the respective meters. The client shall decide the period for collecting data from meter to the server.	We understand this clause is applicable for LORA technology only	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
105	Volume II of II: Technical	2.1 SCOPE OF WORK	Meter and software shall have the provision to use the respective meter as in the postpaid mode, and whenever required can change the same in prepaid mode.	We would like to bring to your kind attention that pre-paid and postpaid are two entirely different concepts having different philosophies and backend support system. They both require a different eco system. Any prepayment functionality should not reside at the server end - it should reside at the meter end only. It is not a standard practice to use the same set of meters in exchangeable mode. Hence, we would request you to kindly remove the clause. The objective of the prepaid system is to bring bill to cash cycle to zero. If the postpaid provision is kept in the meter, the objective of prepaid system gets defeated. Please amend the clause suitably.	Tender conditions shall prevail.



REPLY TO BIDDER'S PRE-BID QUERIES
ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
106	Volume II of II : Technical	2.3 Server	The architecture/ protocol shall be shared with Client. Meter should have ability to send the data to Client server directly after recharge/ billing. If any application is required to be installed at Client server for accessing the data, it will be in the scope of vendor.	Any data acquisition module from any kind of metering devices requires the head end of the supplier as the supplier's DAS system is coupled with the metering devices. The tender requirement will call for the entire DAS to be developed in the client's application. This is not a standard industry approach. The standard approach is to have the supplier's DAS acquire data remotely and transfer it to the client's application through an industry standard interface. We request you to amend the clause accordingly. Further, Meter having ability to send the data to Client server directly after recharge/ billing is a feature of fully connected system. We understand this clause is applicable for LORA technology only.	The data shall be sent directly to the server provided by bidder and the same data shall also be sent to client's existing server. Bidder to consider the same and quote accordingly.
107	Volume II of II : Technical (Procurement of Prepaid Gas meter)	2.1 SCOPE OF WORK	Bullet point 15: The Prepaid smart Gas Meters should have the two way communication with the server i.e. the client shall be able to monitor real time gas consumption of the respective meters. The client shall decide the period for collecting data from meter to the server.	We understand this clause is applicable for LORA technology only. Please clarify.	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
108	Volume II of II: Technical	2.3 Server	The data transfer such as real time gas consumption, credited balance, alarms, consumption till last bill etc shall be in such a format which is readily available for processing, access, read and uploaded in SAP and other systems. Data shall be saved in compatible formats like csv/txt.	Real time gas consumption of each domestic consumer does not add any value to any CGD business process. If the objective is monitoring, it should be done at a bulk level at SR or DRS. Hence, we request you to remove the 'real time' requirement. Further, we understand this clause is applicable for LORA technology only. Please clarify.	Tender conditions shall prevail.
109	Volume II of II: Technical (Procurement of Prepaid Gas meter)	2.3 Server	Last bullet point 8: The server shall be hooked up with the existing SAP system of Client for automated billing.	As it will require exchange of interfaces and necessary development at both ends, we understand post order, the IT team of both AGCL and successful bidder will agree and do the needful. Please clarify.	It is the responsibility of bidder to perform necessary developments and interfaces in order to hook up with existing SAP server.
110	Volume II of II: Technical	2.4 Reports	Every recharge reports either daily, weekly or monthly as per Client requirement should be generated for analysis purpose. Also, real time gas consumption data shall be stored as the report.	Real time gas consumption of each domestic consumer does not add any value to any CGD business process. If the objective is monitoring, it should be done at a bulk level at SR or DRS. Hence, we request you to remove the 'real time' requirement. Further, we understand this clause is applicable for LORA technology only. Please clarify.	Tender conditions shall prevail.
111	Volume II of II: Technical	2.4 Reports	Every recharge reports either daily, weekly or monthly shall have the provisions	This is an incomplete statement. May please be clarified	This is typo-error, bidder to neglect the same.
112	Volume II of II: Technical	2.4 Reports	The software used should be capable of generating trends, alarms and graphics. Any upgradation/ modification in reports / formats as per Client requirement shall be done by the vendor free of cost.	Any small upgradation/ modification in existing formats can be accommodated without any cost implication. However, any major requirement/modification shall be based on mutually agreed terms & conditions and shall be dealt separately. Please clarify.	It is mentioned in the technical tender document that the software shall be flexible enough for any updates, additions etc., required by client. Bidder to consider this and quote accordingly.
113	Volume II of II: Technical	2.5 Data Storage Facility	System shall be capable to store hourly log, Daily log and events logs for one year.	We understand this clause is applicable for LORA technology only. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
114	Volume II of II: Technical	5.0 DOCUMENTS & DATA REQUIREMENTS Item no 1	Minimum data sheet/specification of offered model prepaid gas meter along with catalogue shall be provided by bidder along with the bid. Detail data sheet/technical specification, sizing calculation, pressure drop calculation etc. of offered model prepaid gas meter shall be provided by bidder during detail engineering stage for client/consultants comments/approval etc.	If the meter complies to BS EN1359 standard, the basic requirements are already met. Therefore, it is requested to delete the requirement of sizing calculation, pressure drop calculation etc. of offered model prepaid gas meter.	Tender conditions shall prevail.
115	Volume II of II: Technical	5.1 Diaphragm Meter	Diaphragm meter shall have 8 digit mechanical index (As per EN1359 — Units in m*). Index shall be provided with sealing arrangement to avoid tampering.	Electronic index should also be accepted. Please amend the clause accordingly.	Accepted.
116	Volume II of II: Technical	5.1 Diaphragm Meter	Diaphragm meter shall be provided with Automatic Meter Reading (AMR) and either integral or external Electronic Volume Corrector (EVC). Refer meter and EVC datasheet for exact specifications.	We understand that this clause relates to G2.5 & G4. Please clarify.	Bidder understanding is correct.
117	Volume II of II: Technical	5.5 Automatic Meter Reading and Electronic Volume Corrector (EVC)	Electronic Volume Corrector (EVC) with integral battery, modem and data logging capability shall be provided with gas meter.	We understand that this clause relates to G2.5 & G4. Please clarify.	Bidder understanding is correct.



REPLY TO BIDDER'S PRE-BID QUERIES
ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
118	Volume II of II: Technical	5.5 Automatic Meter Reading and Electronic Volume Corrector (EVC)	Bidder shall supply software for remote data monitoring through GSM modem.	We understand that this clause relates to G2.5 & G4. Please clarify.	The clause mentioned is in the standard specification. Bidder to refer datasheet of the meters and EVC for the project specific requirements.
119	Volume II of II: Technical	7.0 INSPECTION AND TESTING	The Supplier shall provide calibration certificate and accuracy at MAOP of the diaphragm meter for the following flow rates: QMIN, 0.1QMAX, QMAX	Since the meters are going to be operated at about 20mb pressure, we request you to clarify why calibration certificate and accuracy at MAOP are required. Testing at such high pressures can only be done at external labs. Request to remove this requirement.	Factory calibration certificate shall be provided along with the meter. Vendor to refer QAP mentioned in the technical tender document and quote accordingly.
120	Volume II of II: Technical	7.4 Guarantee / Warranty	Generally the Vendor shall provide warranty support for a period of 12 months from the date of supply or 18 months from the date of manufacturing.	With reference to the "Volume II of II: Technical, Section: MATERIAL REQUISITION & Clause no 2.12 Warranty for prepaid Gas Meters"; it has been mentioned that "Vendor shall provide warranty of offered prepaid gas meter for a period of 10 years from the date of supply.". And also as per the clause no "3.2 Order of Precedence"; The Material requisition section shall have the precedence over the Standard Specifications section. So in view of above; we do understand that AGCL desires the warranty of the gas meter as 10 years from the same of supply. Please confirm for the same and also modify the warranty as 10 years under this clause as well.	Bidder understanding is correct.
121	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	4.0 BRIEF SCOPE OF SUPPLY/SERVICES Point no 2	Mode of communication shall be two way.	We understand this clause is applicable for LORA technology only. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
122	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	4.0 BRIEF SCOPE OF SUPPLY/SERVICES Point no 11	BIDDER to provide real time alarms to AGCL in case of any malfunction/ tampering of meter/ meter reading. The alarm SMS shall be sent to 3 CLIENT designated phone number and simultaneously email to 3 designated email IDs.	We understand this clause is applicable for LORA technology only. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
123	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	4.0 BRIEF SCOPE OF SUPPLY/SERVICES(Sr no 1)	BIDDER shall be responsible for hosting of meter reading data in cloud server for 10 years from the date of FOI.	Please clarify about the understanding of full form of FOI.	The fullform of FOI is Fax of Intent.
124	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	6.0 DETAILED SCOPE OF SERVICES (Sr no 1.1)	BIDDER shall be responsible for providing geo-tagging for the meters installed in the format provided by CLIENT.	We do understand that this clause is applicable for LORA communication. Further, Please clarify about the detailed requirements in regard with tagging..	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
125	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	44	9. On billing days of every month, BIDDER has to ensure 100% availability of meter reading.	As per our practical experience we would like to draw your kind attention that 100% data availability of meter reading on billing days of every month for Domestic PNG connections is practically impossible. Though it is mentioned there that Bidder has to ensure 100% availability of meter reading on billing days of every month, we understand that penalty clause mentioned at clause no. 2.9 (Procurement of prepaid Gas meters, volume ii) below 95% data availability will be applicable.	Bidder understanding is correct.
126	Volume II of II : Technica DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	46	AMR DATA AVAILABILITY: Data shall be transmitted to centralised server on once in 24 hour basis.	We understand this clause is applicable for LORA technology only. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
127	Volume II OF II Technical	46	AMR DATA AVAILABILITY: Scan time of necessary values for AMR shall be provided by the Client later. Data shall be transmitted to centralised server on once in 24 hour basis. Data transmission between AMR and remote server shall be encrypted to prevent intruder access. Overall data security shall be ensured by BIDDER through suitable encryption to prevent intruder access. Number of user ID and password for logging on to server shall be as desired by CLIENT.	We understand this clause is applicable for LORA technology only. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.



REPLY TO BIDDER'S PRE-BID QUERIES
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PREPAID GAS METERS

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Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
128	BoQ (Price schedule)		3.0 to 3.9 Data hosting services for 1st year to 10th year	we understand that data hosting services (bill data & meter data) is to be provided on monthly basis and accordingly payments shall be made on monthly prorata basis. Hence we request you to please amend the item description and quantity as: 3.0 Data hosting services (Bill data + meter data) for 1st year (xxxx X12 months) and accordingly in quantity cloumn it iS multiplied with 12 i.e. 15000 X12 =180,000 nos. similarly it will amend for 2nd year to 10th year for all groups. and bidder needs to quote data hosting services price on monthly basis irrespective of yearly. Please modify & amend the BOQ accordingly.	Tender conditions shall prevail.
129	Volume II of II : Technical DATA HOSTING AND SERVICES AGREEMENT FOR 10 YEARS	45	The meter reading data and the bills generated shall be collected automatically through LORA module with gateway by the BIDDER and the reading data shall be hosted in cloud server. Also, the same data shall also be directly hosted or sent to client SAP/ERP server.	We understand this clause is applicable for LORA technology only. Further, it is not clear what is meant by bill generation data II tion by LoRa module. Please clarify.	Bidder understanding is correct. However, the meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
130	Vol II OF II Technical	9	Reports for the period of 3 years should be stored in the server and shall be retrieved by M/s AGCL or the end-customer through dashboard and this is applicable for all groups of meter.	Request you to amend the clause as - 'Reports for the period of 3 years should be stored in the server or in the form of back up and shall be retrieved by M/s AGCL or the end-customer through dashboard and this is applicable for all groups of meter.	Tender conditions shall prevail.
131	Vol II OF II Technical	9	Data shall be stored in the server for 3 years	Request you to amend the clause as - Data shall be stored in the server for 3 years or in the form of back up	Tender conditions shall prevail.
132	Vol II OF II Technical	9		Its mentioned 5000 Kiosks to be setup for Bill Payments in select areas. Will this hardware infrastructure be provided by Gas Authority? Because there's no mention of it in BoQ also.	The clause states that for approximately every 5000 meters one no. of vending machine services (or counter services) shall be available and the infrastructure required for the same is in bidder's scope. Moreover, bidder to refer caluse no.: "2.6 Vending services" in the technical tender document for the better clarity.
133				Service Provider Definition - It would be great help if "AMR Manufacturer" is added under this section	Tender conditions shall prevail.
134	Volume II of II : Technical	5 of 49	1.0 DESCRIPTION OF GOODS AND / OR SERVICES The scope of supply covers design, engineering, manufacturing, testing, inspection, documentation, commissioning at site(installation along with client), preparation for shipment and transportation of the Domestic Prepaid smart Gas Meters with LORA connectivity(With provision of BLE as standby) along with the integrated AMR, MIU, billing software, system software, warranty and associated services for 10 years, as per technical specification requirements, MR and scope of work for City Gas Distribution Project of Assam Gas Company Ltd	Request M/s. AGCL to give a detailed requirement of billing software that needs to be provided by the bidder	Billing software shall be able to provide all the datas required in this project as mentioned in technical tender document. Also, that software shall have the capability to generate reports either daily, weekly or monthly, gas consumption data as per the requirement for analysis purpose.
135	Volume II of II : Technical	5 of 49	1.0 DESCRIPTION OF GOODS AND / OR SERVICES The scope of supply covers design, engineering, manufacturing, testing, inspection, documentation, commissioning at site(installation along with client), preparation for shipment and transportation of the Domestic Prepaid smart Gas Meters with LORA connectivity(With provision of BLE as standby) along with the integrated AMR, MIU, billing software, system software, warranty and associated services for 10 years, as per technical specification requirements, MR and scope of work for City Gas Distribution Project of Assam Gas Company Ltd	We suggest M/s. AGCL to use LoRaWAN as main communication through gateway, and LoRa as stand by through Hand Held Unit (mobile phone) instead of BLE as standby communication for domestic prepaid smart gas meters as using BLE requires NFC based communication wherein person has to go to each household or customer needs to come to kiosks. During these times of social distancing we strongly suggest M/s. AGCL to go for a technology as suggested above that requires mimnimal human interaction	The meters required in this tender has LORA communication as primary communication. However, the same meter should have the provisions for bluetooth communication also. Bidder to consider the same and quote accordingly.
136	1.0 DESCRIPTION OF GOODS AND / OR SERVICES	6 of 49	8. Vendor to facilitate one number of International visits of 4 Nos. client/PMC/Consultant personnel for FAT or Training sessions or to visit Manufacturer parent company of the meter for a week. Bidder to quote considering the above	Request M/s. AGCL to confirm if TPI inspection is sufficient for FAT and training session can be provided locally at AGCL premises by experienced personnel as our OEM is based outside India and travelling to majority of the countries is not possible for the time being.	Tender conditions shall prevail.
137	2.1 SCOPE OF WORK	7 of 49	Customer shall be able to pay through web application and mobile application.	Please confirm if that the bidder can use existing mobile app of M/s. AGCL or does bidder need to develop new mobile app for M/s. AGCL. If in case bidder needs to develop new app please provide detail requirement of application	Bidder needs to develop the new mobile app for payments and other services. Bidder to quote accordingly.
138	2.1 SCOPE OF WORK	7 of 49	Bidder to study the location and suggest the suitable place for the best connectivity of gateway.	Bidder request M/s. AGCL to provide details of the installation locations of gas meters. Without this information it is impossible to provide a competitive bid since the state of assam is very large and density of population is very sparse. Moreover, inorder to consider the gateways we need to have this piece of information without which system architecture cannot be accurately derived. Therefore, we request M/s. AGCL to provide us with this information.	The details shall be provided to the successful bidder. However, commissioning is in bidder's scaope, i.e LORA connectivity with meter is in bidder's scope. Bidder to quote accordingly.



REPLY TO BIDDER'S PRE-BID QUERIES

ANNUAL RATE CONTRACT FOR PROCUREMENT OF
PREPAID GAS METERS

Tender No : AGCL/GMB/PREPAID METER/2020/15 Dated: 19.12.2020



Sr. No.	Tender Clause / Annexures	Clause No	Subject	Bidders Comments / Queries	VCS Reply
139	2.1 SCOPE OF WORK	7 of 49	Customer shall be able to pay through web application and mobile application. Entire payments shall be made to Client through payment gateway. Vendor shall demonstrate the same to entire satisfaction of Client.	We request agcl to use their own web application, mobile application and payment gateway as this is followed by all the CGD companies. Incase if bidder need to develop web application, mobile application and payment gateway please provide detailed requirement	Bidder needs to develop the mobile app, web application and payment gateway for payments and other services. Also, the software and applications shall be flexible enough for any updations, additions etc., required by client. Bidder to consider this and quote accordingly.
140	2.1 SCOPE OF WORK	8 of 49		We understand that the payment shall be done via Web portal and APP. Request M/s. AGCL to please confirm that bidder only need to integrate bidder software of meters with M/s. AGCL existing payment gateway/SAP and no need to develop new ones	Bidder needs to develop new payment gateway/SAP for payment purpose.
141	2.3 Server	8 of 49		As we understand that M/s. AGCL already has multiple payment gateways in application. Hence, to make the payment process more streamlined, Bidder should integrate with SAP system of M/s. AGCL. Once the consumer makes the payment, it will land on SAP server (AGCL database) and then Bidder has to integrate their server with M/s. AGCL SAP. Thus, this will involve one-time payment gateway integration. Please confirm	Bidder needs to develop the payment gateway/SAP, mobile app, web application and payment gateway for payments and other services. Also, the data shall be sent directly to the server provided by bidder and the same data shall also be sent to client's existing server. Bidder to consider the same and quote accordingly.
142	2.6 Vending services	9 of 49		We request M/s. AGCL to accept vending services office only at their existing M/s. AGCL premises instead of having multiple in different locations which means customer can come with cash, cheque etc to make payments directly to them. Bidder can setup kiosks at M/s. AGCL premises.	Tender conditions shall prevail.
143	STANDARD SPECIFICATION FOR GAS METER	22 of 49 23 of 49	5.1 Diaphragm Meter 5.2 Thermal Mass Meter	We strongly suggest M/s. AGCL to go with diaphragm based meters only for G1.6 requirement instead of thermal meters. The reasons are as follows : 1. For thermal meters the units of measurement is standard meter cube where as in India the requirement is cubic meters that is followed by diaphragm meters. Also, as per datasheet of Group A the requirement is for CUBIC METER which can only be given by diaphragm meters 2. In thermal meters there is an integrated EVC where in the correction factor comes less than 1. However, as per domestic application requirement the factor should be 1. This can be achieved only by diaphragm meters as the standard correction factor is 1. Therefore, due to this in using thermal meters there will be gas loss to M/s. AGCL leading to major revenue losses to the company. 3. Thermal meters use OIML certification which only is a guideline whereas in diaphragm meters we use EN1359 which is a standard. Therefore, diaphragm meters are a far superior and proven technology. Hence, we request M/s. AGCL to consider an apple to apple comparison as both the technologies are different while we suggest to go diaphragm based meters as this will save lot of cost to the company	Tender conditions shall prevail.